All amounts are calculated in domestic currency.

Purchase Order Receipt Listing

Friday, March 21, 2014 8:34:43 AM

All Vendors PO ID PO23277 Receipt Dates from 3/21/2014 to 3/21/2014 All Line Item Types All Item ID/GL/WOs All Rec. Employees All Currencies Grouped by Vendor ID

Book Amt	\$27.09		\$46.96		\$270.09			\$27.09			\$231.17			\$0.00	
MRB Qty/ MRB Reject Qty	0	0	0	0	0	0		0	0		0	0		0	Ð
Inspected Qty/ Rejected Qty (PO U/M)	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000
Cost Per Unit/ Recv Value	\$2.26	\$27.09	\$3.91	\$46.96	\$45.01	\$270.09		\$1.13	\$27.09		\$19.26	\$231.17		\$0.00	\$0.00
Recv Qty (PO U/M)	12.0000		(12.0000)		(00000)			24.0000			(12.0000)			1.0000	
Recv Date/ Recv Emp	3/21/2014	DESJ02	3/21/2014	DESJ02	3/21/2014	DESJ02		3/) DESJ02	1	4 3/21/2014	0 DESJ02		3	0 DESJ02
Required Date Required Qty	3/13/2014	12.0000	3/13/2014	12.0000	3/13/2014	0000.9		3/13/2014	24.0000		3/13/2014	12.0000		3/13/2014	1.0000
PO U/M / Stock U/M	Thyssenkrupp Materials CA Ltd	25 x f	0X01.f	50 x f	00X4.5 f	f.5002		50 f	1Bar f		00X05.F	f × 00			AUSES
ID Reference/ Description/ Cert Std	VC-COP001 Thyssenkr	6061-T6 Bar .625 x	m128373 M6061T6B1.500X01.f	6061-T6 Bar 1.50 x	m)28573 M6061T6B4.500X4.5	00 6061-T6 AluminumBar 4.500	X 4.500" m128573	M6061T6R0.750	6061-T6 Round Bar 750"	m128573	M46061T6B2.000X05.	6061T6 Bar 2.00 x	m128573	71401-45	PROCUREMENT QUALITY CLAUSES m128573
Line Project ID Nbr/ Insp Req		No	7	No	.03	No		4	No		7	No		∞	o N
Purchase Order ID/ Curr Type	VendorID\Vendor Name PO23277 1	CAD													

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of	
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Page	

Book Amt	67.0000	0.0000	0.0000	\$602.39	0.0000
MRB Qty/ MRB Reject Qty	uantity:	O U/M):	uantity:	t Value:	uantity:
Cost Per Unit/ Inspected Qty/ MIRB Qty/ Recv Value Rejected Qty MIRB Reject (PO U/M) Qty	Total Received Quantity:	Total Qty to Inspect (PO U/M):	Total Reject Quantity:	Total Receipt Value:	Fotal Balance Due Quantity:
Cost Per Unit/ Recv Value		Total			To
Reev Qty (PO U/M)					
Reev Date/ Reev Emp					
Required Date Required Qty					
PO U/M / Stock U/M					
Project ID Reference/ Description/ Cert Std					
Project ID					
Line Nbr/ Insp Req					

Purchase Order ID/ Curr Type Purchase Order Receipt Listing

BILL

THYSSENKRUPP MATERIALS NA 2821 LANGSTAFF ROAD

CONCORD, ONTARIO L4K 5C6 Tel: 905 669 9444 Fax: 905-738-9033

Ship To: DART AEROSPACE 1270 ABERDEEN ST

Ship From:

HAWKESBURY ON K6A 1K7 Tel: 613-632-9577 Fax: 613-632-1053

LADING No: PEC 868210 Ship Date 18Mar14 at 10:03 From PFW Probill VIM TRANSFER Via CONCORD FOB Frt PREPAID Route 0- 0 Manifest Trailer Vhcle Slp STAN IVERS (905-532-1350) Sold To: (20115) DART AEROSPACE 1270 ABERDEEN ST

HAWKESBURY, ON K6A 1K7

BILL OF LADING

1) Our Order PEC-662668- 1 Your PO # (23277) ALUMINUM FLAT BAR 6061-T6511 .625" x 1.50" X 144.0009" Quantity Wt LBS PCS Heat Number Tag No 12 FT 272618 Z00253054 2) Our Order PEC-662668- 2 Your PO # 23277 ALUMINUM FLAT BAR 6061-T6511 1.250" x 1.50" X 144.0000" Heat Number PCS Wt LBS Quantity Tag No 26 /12 FT 200261047 272619 ____/ 3) Our Order PEC-662668- 3 Your PO # 23277 ALUMINUM SOUARE BAR 6061-T6511) ALUMINUM SQUARE BAR 6061-T6511 4.50" X 72.0000" Wt LBS PCS Quantity Tag No Heat Number 143 6 FT HK858-093 272703 4) Our Order PEC-662668- 4 Your PO # 23277 ALUMINUM ROUND BAR 6061-T6511 750" DIA X 144.0000" Wt LBS Ouantity Tag No Heat Number 13 24 FT 272620 40959-175 5) Our Order PEC-662668- 5 Your PO (# 23277 ALUMINUM FLAT BAR 6061-T6511 2.00" x 5.00" X 144.0000" Wt LBS Quantity PCS Heat Number Tag No 140 Z00657015 272621 Page: 1Continued

TOUTES ERREURS ET/OU MARCHANDISES MANQUANTES DOIVENT ÊTRE RAPPORTÉES IMMÉDIATEMENT.

ERRORS OR SHORTAGE MUST BE REPORTED IMMEDIATELY

RETOUR DE MARCHANDISES AVEC NOTRE NUMERO D'APPROBATION SEULEMENT. MERCHANDISE MAY NOT BE RETURNED WITHOUT OUR APPROVAL NUMBER.

Ship From: THYSSENKRUPP MATERIALS NA 2821 LANGSTAFF ROAD

CONCORD, ONTARIO L4K 5C6 Tel: 905 669 9444 Fax: 905-738-9033

Ship To: (1) DART AEROSPACE

BILL OF LADING No: PEC 868210 Ship Date 18Mar14 at 10:03 From PFW Probill Via VIM TRANSFER FOB CONCORD Frt PREPAID Route 0- 0 Manifest Trailer Vhcle Slp STAN IVERS (905-532-1350) Sold To: (20115) DART AEROSPACE

_______ BILL OF LADING

> Tags PCS 5 6 TOTAL:

Heat Number 40959-175 HK858-093 Z00253054 Z00261047 Z00657015

*** Chemical Analysis ***

MILL TEST REPORTS, PACKING SLIPS ARE TO SENT WITH MATERIAL AND FAXED TO THE CUSTOMER PRIOR TO SHIPPING.

ATTN: CHANTAL/LINDA ** ALL PACKING SLIPS MUST HAVE THE HEAT NUMBER ** ** REFERENCED ON IT **

TOTAL 2 BDLS G.W. 364 LBS

ITEMS (1,2,4,5) BDL ITEM (3) BDL

CUSTOMER PICK-UP HRS AT THYSSENKRUPP MATERIALS NA CONCORD, ONT. *** 9:00 AM TO 4:00 PM *** **** TEL. 800-926-2600 **** ***************** WE STOCK STAINLESS STEEL ***PLEASE NOTE A \$25.00 ENERGY SURCHARGE WILL BE ADDED TO EVERY ORDER. ***

Page: 2 Last

TOUTES ERREURS ET/OU MARCHANDISES MANQUANTES DOIVENT ÊTRE RAPPORTÉES IMMÉDIATEMENT. ERRORS OR SHORTAGE MUST BE REPORTED IMMEDIATELY RETOUR DE MARCHANDISES AVEC NOTRE NUMERO D'APPROBATION SEULEMENT. MERCHANDISE MAY NOT BE RETURNED WITHOUT OUR APPROVAL NUMBER.

Certificate of Mill Test Results

DART AEROSPACE

ALUMINUM FLAT BAR 6061-T6511 .625" x 1.50" X 144.0000" PART NO

PO/Rel 23277

We certify that this is a true copy of the report furnished by the producer of the metal, or data resulting from tests made in approved labs.

BL PEC-868210-001 18Mar14 Pg 1/1 Signed by:___





CERTIFIED TEST REPORT

http://Online.KaiserAluminum.com

KAISER ALUMINUM FABRICATED PRODUCTS, LLC 5205 KAISER DRIVE

KALAMAZOO, MI 49048 [CUSTOMER PO NUMBER: CUSTOMER PART N			PART NUMBER:	PRODUCT DESCRIPTION	ON:							
PEC-255139-1 388/S		388/STK			625 X 1.500 SC RECT BAR							
KAISER ORDER NUMBER:	LINE ITEM:	1	SHIP DATE:	KAISER LOT NUMBER:	ALLOY:	TEMPER:						
658649	001		01/17/2014	Z00253054	(6061)	T6511						
WEIGHT SHIPPED:	QUANTITY:		B/L NUMBER:	DIAM/DAE/FHRNS:	WIDTH:	LENGTT.						
529.000 LB	40.000 PG	cs	607977			12.000 FT						
SHIPTO: THYSSENKRUPP (2821 LANGSTAFF CONCORD, ON L4	ROAD	NADA		THYSSENKRUP 2821 LANGSTAF CONCORD, ON		14/03/21						

Actual Physical Properties

	DAGII#	SAMPLE#	UTS (KSI)	YTS (KSI)	ELONG%	HARD	NESS	CONDUCT.	BEND
REFERENCE	DASH#	SAMPLET			17.0	RE	93	N/A	N/A
700253054	0001	1	50.0	46.5		RE	94	N/A	N/A
Z00253054	0001	2	49.8	46.2	14.0		93	N/A	N/A
ZC0253C54	0001	3	49.4	45.6	17.0	RE	9.1	N/A	N/A
Z00253054/	0001	4	50.6	47.0	17.0	RE	94	IV/A	14/11

Chemical Composition (wt%), Aluminum Remainder

		_										Responded to the responsibility of		
LIMITS	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Pb	Bi	Zr	Ea	Tot	
Maximum Minimum 103408	0.80	0.70	0.40	0.15	1.20	0.35	0.25	0.15	NA NA	NA	NA	C.00	0.15 0.00 .03	

Applicable Requirements:

ASTM-B221-13 STENCILED ASME-SB221 1998 SECT II AMS-QQ-A-200/8-97 (REAF 2012) UNS#A96061 (T6511 also conforms to T6-not applicable to other tempers)

Miscellaneous Notes

MANUFACTURED IN USA MELTED IN USA MERCURY IS NOT A NORMAL BACKGROUND ELEMENT IN ALUMINUM ALLOYS. NEITHER MERCURY NOR ANY OF ITS COMPOUNDS ARE UTILITZED BY KAISER ALUMINUM IN THE MANUFACTURE OF THIS MATERIAL.

CERTIFICATION

Kaiser Aluminum Fabricated Products, LLC hereby certifies that metal shipped under this order has been inspected and tested and found in conformance with applicable specifications forming a part of the description set forth in Kaiser's sales acknowledgement form. Any warranty is limited to that shown on Kaiser's general terms and conditions of sale. Test reports are on file, subject to examination.

Aimee L. Macnowski, Quality & Technology Manager

Avmu & Macrowski

Plant Serial: 00119545

Kaiser Order Number: 658649 Line Item: 001

Page 1 of 1

176-625X1.	5	
Sonia		
4/03/21		
13277	MATERIAL CERT RECEIVED	yes
12	QUANTITY RECEIVED:	12
25×1.50	THICKNESS RECEIVED:	-625X1.58
ON TRADAMO	SHEET SIZE RECEIVED:	ERMON MIRES A
	176-625X/- 302/21 23277 12 25X1.50	QUANTITY RECEIVED: THICKNESS RECEIVED:

DESCRIPTION	(Ch	CR eck (N)	COMMENTS
SURFACE DAMAGE	Υ	(Q)	
INCORRECT FINISH	Υ	O	MAINTONIA SANTARAMINA PARALINANTA
CORROSION	Υ	N	
INCORRECT GRAIN DIRECTION	Υ	N	CHRISTO GENERATO AT VEICH . I
INCORRECT MATERIAL	Υ	W	VESTAM DELIVER OF SIGNALS IN LATERTAIN TO DESIGN THAN O
INCORRECT THICKNESS	Υ		CLUCIAN CARRAGE HARRINGS TESTER VICIES ASSISTED IN
PHOTO REQUIRED	Y	N	THE THE PROPERTY OF STREET MATTER ASSESSED AS
CORRECT MATERIAL	(Ý)	N	MOTOGRAM SERVICE LARGETAN GETTA
CORRECT REF # TO LINK CERT	0	N	23277
CORRECT MATERIAL IDENTFICATION	8	N	200253054
CORRECT M# ON THE MATERIAL	(Y)	N	1128573
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Υ	N	
DOES THIS REQUIRE AN EXTRUSION REPORT	Υ	(N)	

		HARDNESS C	CHECK.
HRC	HRB	DUR A	DUR D
THOMSE	NOISURT X3 3	II MOTICA JAIH	BINNE LOGINGER
DARWELL AND COM A THE		THE THE PERSON NAMED IN	36670100
	RD RESULTS	RD RESULTS BELOW	

testers located in the Quality Office

ENGINEERING SIGNOFF (if required)
BY:
DATE:

Certificate of Mill Test Results

DART AEROSPACE

ALUMINUM SQUARE BAR 6061-T6511 4:50" X 72.0000" PART NO PO/Rel 23277

We certify that this is a true copy of the report furnished by the producer of the metal, or data resulting from tests made in approved labs.

	BL PEC-868210-003	1814111
ned by:		Pg 1/1





CERTIFIED TEST REPORT

http://Online.KaiserAluminum.com

KAISER ALUMINUM
FABRICATED PRODUCTS, LLC
5205 KAISER DRIVE

CALAMAZOO, MI 49046									
CUSTOMER PO NUMBER:	CUSTOMER PART		PART NUMBER:	PRODUCT DESCRIPTION					
PEC-246428-2		ALSQ000	052	4.500 SC SQ BAR					
KAISER ORDER NUMBER:	LINE ITEM:		SHIP DATE:	KAISER LOT NUMBER:	ALLOY:	TEMPER:			
638672	002		03/05/2013	HK858-093	6061	T6511			
WEIGHT SHIPPED:	QUANTITY:		B/L NUMBER:	DIAM/DAF/THKNS:	WIDTH:	LENGTH:			
1143.000 LB	4.000 PC	S	605678			12.000 FT			
SHIP TO: THYSSENKRUPP N 2821 LANGSTAFF I CONCORD, ON L41	ROAD			THYSSENKRUPP 2821 LANGSTAFF CONCORD, ON L4	ROAD	14/03/21			

Actual Physical Properties

REFERENCE	DASH#	SAMPLE#	UTS (KSI)	YTS (KSI)	ELONG%	HARI	ONESS	CONDUCT.	BEND
HK858-093	C001	0001	53.1	47.8	17.6	RE	96	N/A	N/A

Chemical Composition (wt%), Aluminum Remainder

LIMITS	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Pb	Bi	Zr	Ea	Tot
Maximum	0.80	0.70	0.40	0.15	1.20	0.35	C.25	0.15	NA	NA	NA	0.05	0.15
Minimum	0.40	0.00	0.15	0.00	0.80	0.04	0.00	00.0	NA	NA	NA	0.00	0.00
								.01			.00	.01	.02

Applicable Requirements:

ASTM-3221-12 STENCTLED ASME-SP221 1998 SECT II AMS-QQ-A-20078 (2007) UNS#A96061 (T6511 also conforms to T6-not applicable to other tempers)

Miscellaneous Notes

MANUFACTURED IN USA (COMMERCE, CA) MELTED IN USA
MERCURY IS NOT A NORMAL BACKGROUND FLEMENT IN ALUMINUM ALLOYS. NEITHER MERCURY NOR ANY
CF ITS COMPOUNDS ARE UTILITZED BY KAISER ALUMINUM IN THE MANUFACTURE OF THIS MATERIAL.

CERTIFICATION

Kaiser Aluminum Fabricated Products, LLC hereby certifies that metal shipped under this order has been inspected and tested and found in conformance with applicable specifications forming a part of the description set forth in Kaiser's sales acknowledgement form. Any warranty is limited to that shown on Kaiser's general terms and conditions of sale. Test reports are on file, subject to examination.

Calvin Latting, Quality & Technology Manager

Plant Serial: 00080423

Kaiser Order Number: 638672

Line Item: 002

MATERIAL:	Midstle 4.5X4.8	5
RECEIVED BY:	Song	
DATE:	14/03/21	
<u>P/O#</u>	23277	MATERIAL CERT RECEIVED CARD
QUANTITY ORDERED:	10	QUANTITY RECEIVED:
THICKNESS ORDERED:	4.5X4.5	THICKNESS RECEIVED: 45X45
SHEET SIZE:	CORRODED, etc.	SHEET SIZE RECEIVED:

DESCRIPTION	NCR (Check Y/N)		COMMENTS
SURFACE DAMAGE	Υ		
INCORRECT FINISH	Υ	W	INISTRUCTIONS FOR INSPECTING SKIPTURE
CORROSION	Υ	D	
INCORRECT GRAIN DIRECTION	Υ		OF WARD OF STREET OF A THE OF
INCORRECT MATERIAL	Υ	(N)	O. CAMOR EINGGERT MATERIAL IN MINITE PITTENIALISE MATERIA
INCORRECT THICKNESS	Y	M	2. LICHIC DOISTARI E HARRINERR TERTER VERIEV HARRINERR OF
PHOTO REQUIRED	Y	N	LOS HAD STANDY OT HOTAM STORY MARTERIAN TARET STREET
CORRECT MATERIAL	8	N	MOTOROPIC PROPAGE INTERPRETABLES
CORRECT REF # TO LINK CERT	8	N	я тия имя там 2327 4 жили ома там эмли э
CORRECT MATERIAL IDENTFICATION	(X)	N	4K858-093
CORRECT M# ON THE MATERIAL	X	N	M128573
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Υ	1	
DOES THIS REQUIRE AN EXTRUSION REPORT	Υ	N	

CUT SAMPLE PIECE OF MAT	ERIAL AND F		HARDNESS C	CHECK.
TIESC	HRC	HRB	DUR A	DUR D
TYPE OF MATERIAL		District Control		English State Control of the S
SIZE OF TEST SAMPLE HARDNESS / DUROMETER READING	and program and the control of the c	and the state of t	A STATE OF THE PROPERTY OF THE PARTY OF THE	201374-3

testers located in the Quality Office

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
211	BY:
INSPECTED BY:	TARRESTON ON THE HOAR IS PROJECTED BY 14 TH
1.1 may 1.1 ma	DATE:
DATE: 14/03 62/	5, =

DART AEROSPACE

ALUMINUM FLAT BAR 6061-T6511 2.00" x 5.00" X 144.0000" PART NO.

We certify that this is a true copy of the report furnished by the producer of the metal, or data resulting from tests made in approved labs.

Certificate	of Mill	Test	Results
. emmeate	THE INTERIOR	I COL	IZCOUITO

BL PEC-868210-005

18Mar14 Pg 1/1

Signed by:_





CERTIFIED TEST REPORT

http://Online.KaiserAluminum.com

KAISER ALUMINUM FABRICATED PRODUCTS, LLC 5205 KAISER DRIVE KALAMAZOO MIJOOJAS

CUSTOMER PO NUMBER:		CUSTOMER PART NUMBER	PRODUCT DESCRIPTION:
PEC-255660-1		497/STK	2.000 X 5.000 SC RECT BAR
KAISER ORDER NUMBER:	LINE ITEM:	SHIP DATE:	KAISER LOT NUMBER: ALL OY: TEMPER:
660026	001	02/07/2014	Z00657015 6061 T6511
WEIGHT SHIPPED:	QUANTITY:	B/L NUMBER:	DIAM/DAF/THKNS: WIDTH: LENGTH:
847.000 LB	17.000 LB 6.000 PCS		12.000 FT
SHIP TO:			SOLD TO:

THYSSENKRUPP CANADA 2821 LANGSTAFF ROAD CONCORD, ON L4K 5C6 CANADA

THYSSENKRUPP CANADA 2821 LANGSTAFF ROAD CONCORD, ON L4K 5C6 CANADA

Actual Physical Properties

REFERENCE	DASH#	SAMPLE#	UTS (KSI)	YTS (KSI)	ELONG%	HARI	ONESS	CONDUCT.	BEND
200657015	0001	1	55.5	52.3	15.7	RE	94	N/A	A/K

Chemical Composition (wt%), Aluminum Remainder

LIMITS	Si	Fe	Cu	Mn	Mg	Cr	Zn	Tí	Pb	Bi	Zr	Ea	Tot	
Maximum	0.80	0.70	0.40	0.15	1.20	0.35	0.25	0.15	NA	NA	NA	0.05	0.15	
Minimum	0.40	0.00	0.15	0.00	0.80	0.04	0.00	0.00	NA	NA	NA	0.00	0.00	
103485	.76	.34	.29	.09	.93	.10	.05	.02	.00	.00	.00	.01	.03	

Applicable Requirements:

ASTM-3221-13 STENCTLED ASME-SB222 1998 SECT II AMS-CQ-A-200/8 97 (REAF 2012) UNS#A96061 (T6511 also conforms to T6-not applicable to other tempers)

Miscellaneous Notes

MANUFACTURED IN USA MELTED IN USA MERCURY IS NOT A NORMAL BACKGROUND ELEMENT IN ALUMINUM ALLOYS. NEITHER MERCURY NOR ANY OF ITS COMPOUNDS ARE UTILITZED BY KAISER ALUMINUM IN THE MANUFACTURE OF THIS MATERIAL.

CERTIFICATION

Kaiser Aluminum Fabricated Products, LLC hereby certifies that metal shipped under this order has been inspected and tested and found in conformance with applicable specifications forming a part of the description set forth in Kaiser's sales acknowledgement form. Any warranty is limited to that shown on Kaiser's general terms and conditions of sale. Test reports are on file, subject to examination.

Aimee I. Macnowski, Quality & Technology Manager

Minus & Macrowth

Plant Serial: 00122663

Kaiser Order Number: 660026

Line Item: 001

Page 1 of 1

MATERIAL:	76061Tle 2.0X 5	ϕ
RECEIVED BY:	Sonia	
DATE:	14/03/21	
<u>P/O#</u>	23277	MATERIAL CERT RECEIVED GES
QUANTITY ORDERED:	12	QUANTITY RECEIVED:
THICKNESS ORDERED:	2.0 X 2.00	THICKNESS RECEIVED: 2,0 X 5.b
SHEET SIZE:	ots (120(3000))	SHEET SIZE RECEIVED:
LINK TO MATERIAL CERTS	ON TROPER SMINISCER STEPO	

DESCRIPTION	(Ch	CR eck N)	COMMENTS
SURFACE DAMAGE	Υ	M	
INCORRECT FINISH	Υ	M	THE PROPERTY OF THE PROPERTY O
CORROSION	Υ	N	
INCORRECT GRAIN DIRECTION	Υ	M	CERVINGE TO EAST THE PROPERTY OF THE PROPERTY
INCORRECT MATERIAL	Υ	N	CONTANT DESIGNATION OF A SOURCE OF SANCTIONS TO DESCRIPT OF SANCTIONS
INCORRECT THICKNESS	Υ	N	IN ANTHORN VINCINABITORY SERVINGAL INCATOON OWNER O
PHOTO REQUIRED	Y	M	LOS LAS OTALISMAS MATAMATICAS MAIGUEAM TAURISCON A
CORRECT MATERIAL	8	N	MAITTEREN SUPPLACE LANGET AN OFFICE
CORRECT REF # TO LINK CERT	8	N	23277
CORRECT MATERIAL IDENTFICATION	8	N	200657015
CORRECT M# ON THE MATERIAL	8	N	M128573
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Υ	N	
DOES THIS REQUIRE AN EXTRUSION REPORT	Υ	0	

CUT SAMPLE PIECE OF MA	TERIAL AND F		HARDNESS C	CHECK.	- F
TYPE OF MATERIAL	HRC	HRB	DUR A	DUR D	-8
SIZE OF TEST SAMPLE HARDNESS / DUROMETER READING	SEFERIFOR 1	CONTROL OF O	Carlot Ca	BULLIANV .B	

testers located in the Quality Office

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
	BY:
INSPECTED BY:	
DATE: 14/03/21	DATE:

DART AEROSPACE

ALUMINUM FLAT BAR 6061-T6511 1.250" x 1.50" X 144.0000" PART NO.

PO/Rel 23277

We certify that this is a true copy of the report furnished by the producer of the metal, or data resulting from tests made in approved labs.

Certificate of Mill Test Results

BL PEC-868210-002

18Mar14 Pg 1/1

KAISEF	
ALUMINUN	
FABRICATED PRODUCTS	S

CERTIFIED TEST REPORT

Signed by:__

http://Online.KaiserAluminum.com

KAISER ALUMINUM FABRICATED PRODUCTS, LLC 5205 KAISER DRIVE

KALAMAZOO, MI 4	9048			PRODUCT DESCRIPTION	J:					
CUSTOMER PO NUMBER: CUSTOMER			PART NUMBER:							
PEC-253464-2		ALREC0		1.250 X 1.500 SC RECT BAR KAISER LOT NUMBER: ALLOY: TEMPER:						
KAISER ORDER NUMBER:	LINE ITEM:		SHIP DATE:			T6511				
654862	002		11/08/2013	Z00261047	(6061)	LENGTH:				
	QUANTITY:		B/L NUMBER:	DIAM/DAF/THKNS:	WIÐTH:					
476.000 LB	18.000 P	cs	607522			12.000 FT				
SHIP TO:				SOLD TO:		and I				
THYSSENKRUPP ! 2821 LANGSTAFF CONCORD, ON L4	ROAD			THYSSENKRUPF 2821 LANGSTAF CONCORD, ON L	FROAD	14/03/21				

Actual Physical Properties

								COMPANDIA	BEND
REFERENCE	DASH#	SAMPLE#	UTS (KSI)	YTS (KSI)	ELONG%	HARDN	ESS	CONDUCT.	
Z00261347>		1	49.6	46.0	17.7 16.7		93 93	N/A N/A	N/A N/A
Z00261047 Z00261047	0001	2	53.3 50.3	49.9 46.7	16.7		93	N/A	N/A

Chemical Composition (wt%), Aluminum Remainder

			Hennic	al Col	HPOSII	1011 (8	1275/1						
	n:	Fe	Cu	Mn	Mq	Cr	Zn	Ti	Pb	Bi	Zr	Ea	Tot
LIMITS	Si					- 05	0.05	Λ 15	NA	NA	NA	0.05	0.15
Maximum	0.80	0.70	0.40	0.15	1.20	0.35	0.25	0.15	NA	NA			0.00
Maximum Minimum	0.40	0 00	0 7 15	11 (111	11 80	0.04	0.00	0.00				01	. 0.3
		.25		.08	. 97	C	.02	.02	.00	. 50	.00	.01	

Applicable Requirements:

ASTM-B221-13 STENCILED (ASME-SB221) 1998 SECT II AMS-QQ-A-200/8 97 (REAF 2012) UNS#A96061 (T6511 also conforms to T6-not applicable to other tempers)

Miscellaneous Notes

MANUFACTURED IN USA MELTED IN USA MERCURY IS NOT A NORMAL BACKGROUND ELEMENT IN ALUMINUM ALLOYS. NEITHER MERCURY NOR ANY OF ITS COMPOUNDS ARE UTILITIED BY KAISER ALUMINUM IN THE MANUFACTURE OF THIS MATERIAL.

CERTIFICATION

Kaiser Aluminum Fabricated Products, LLC hereby certifies that metal shipped under this order has been inspected and tested and found in conformance with applicable specifications forming a part of the description set forth in Kaiser's sales acknowledgement form. Any warranty is limited to that shown on Kaiser's general terms and conditions of sale. Test reports are on file, subject to examination.

Fargo, Quality & Technology Marager

Plant Serial: 00112449

Kaiser Order Number: 654862

Line Item: 002

MATERIAL: M/200	ITC	, 10	SDX1.25
RECEIVED BY:	30	ni	<u></u>
DATE: 14	10	3/2	MATERIAL CERT RECEIVED CAS
QUANTITY ORDERED: THICKNESS ORDERED: SHEET SIZE:	12 70 1289 E	X/ SOLIMAN BAT SI	QUANTITY RECEIVED: THICKNESS RECEIVED: SHEET SIZE RECEIVED:
DESCRIPTION	NC (Ch Y/	eck	COMMENTS
SURFACE DAMAGE	Υ	N	
INCORRECT FINISH	Υ		BEUTOINS BUITOBSEUROF SMOTGUATEUR
CORROSION	Υ	M	
INCORRECT GRAIN DIRECTION	Υ	XV)	AUMARO GELIERO TO OLOT VEIGEV
INCORRECT MATERIAL	Y	N	2. SAMBLE IMSDECT MATERIAL IN BLINDLE TO ENSURE MATERIA
INCORRECT THICKNESS	Υ	N	TO REPURDE A PROTECT REPURDED TO STREET VERIEV I ARRANGES OF
PHOTO REQUIRED	Y	N	A VERIEV THAT MATERIAL CERTS MATCH TO WHATS CALLED U
CORRECT MATERIAL	(4)	N	
CORRECT REF # TO LINK CERT	8	N	232++
DRRECT MATERIAL IDENTFICATION	(Y)	N	G00261097
CORRECT M# ON THE MATERIAL	8	N	11128572
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Υ	Ŕ	
DOES THIS REQUIRE AN	.,	0	

CUT SAMPLE PIECE OF MAT	TERIAL AND F		HARDNESS C	CHECK.	- (*
TYPE OF MATERIAL	HRC	HRB	DUR A	DUR D	-0
SIZE OF TEST SAMPLE	CONTRACTOR OF THE STATE OF THE			And the control of th	
HARDNESS / DUROMETER READING	enter a constant	singer minimizates are	en company and the second	Light on physical stage.	

testers located in the Quality Office

QC 18 INSPECTION		ENGINEERING SIGNOFF (if required)
INSPECTED BY:	ory	OTALMIGGOOD OO SES SES IS BUOITES BY:
DATE:	14/03/21	DATE:

DART AEROSPACE

ALUMINUM ROUND BAR 6061-T6511 .750" DIA X 144.0000" PART NO.

PO/Rel 23277

We certify that this is a true copy of the report furnished by the producer of the metal, or data resulting from tests made in approved labs.

Certificate	of	MIII	Toct	Pocu	lte
Certificate	OI	VIIII	rest	Resu	113

BL PEC-868210-004

18Mar14 Pg 1/2

Signed by:_

KAISER ALUMINUM **FABRICATED PRODUCTS**



CERTIFIED TEST REPORT

http://Online.KaiserAluminum.com

KAISER ALUMINUM FABRICATED PRODUCTS, LLC 5205 KAISER DRIVE KALAMAZOO, MI 49048

CUSTOMER PO NUMBE	R:	CUSTOMER	PART NUMBER:	PRODUCT DESCRIPTION	ON:	
PEC-255994-4		501/STK		KAISERSELECT	PRECISION RO	
KAISER ORDER NUMBE	R: LINE ITEM:		SHIP DATE:	KAISER LOT NUMBER:	ALLOY:	TEMPER:
660835	004		02/21/2014	40959-175	6061	T6511B
WEIGHT SHIPPED:	QUANTITY:		B/L NUMBER:	DIAM/DAE/PHKNS:	WIDTH:	CENGTH:
1034.000 LB	166.000 [PCS	608271			12.000 FT
SHIP TO:				SOLD TO:		me l
THYSSENKRUPF 2821 LANGSTAF	F ROAD			THYSSENKRUP 2821 LANGSTAF	F ROAD	14/03/2

THYSSENKRUPP CANADA 2821 LANGSTAFF ROAD CONCORD, ON L4K 5C6 CANADA 2821 LANGSTAFF ROAD CONCORD, ON L4K 5C6 CANADA

Actual Physical Properties

REFERENCE	DASH#	SAMPLE#	UTS (KSI)	YTS (KSI)	ELONG%	HARI	DNESS	CONDUCT.	BEND
40959-175	0001	1	51.1	47.6	10.0	RE	94	N/A	N/A
40959-175	0001	10	51.0	47.8	11.0	RE	94	N/A	N/A
40959-175	0001	11	49.6	46.1	10.0	RE	94	N/A	N/A
40959-175	0001	12	50.2	46.1	10.0	RE	94	N/A	N/A
40959-175	0001	13	49.8	45.7	11.0	RE	94	N/A	N/A
40959-175	0001	14	50.6	46.6	10.0	RE	94	N/A	N/A
40959-175	0001	15	49.4	45.1	11.0	RE	94	N/A	$A \setminus V$
40959-175	0001	2	49.6	46.4	10.0	RE	94	N/A	N/A
40959-175	0001	3	49.8	46.7	12.0	RE	94	N/A	N/A
40959-175	0001	4	48.7	44.9	14.0	RE	91	N/A	N/A
40959-175	0001	5	49.0	45.3	11.0	RE	94	$A \setminus N$	N/A
40959-175	0001	6	49.4	45.9	13.0	RE	94	N/A	N/A
40959-175	0001	7	50.5	46.8	10.0	RE	94	N/A	N/A
40959-175	0001	8	50.2	46.7	11.0	RE	94	N/A	N/A
40959-175	0001	9	50.5	46.7	10.0	RE	94	N/A	N/A

Chemical Composition (wt%), Aluminum Remainder

LIMITS	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Pb	Bi	Zr	Ea	Tot
Maximum.	0.80	0.70	0.40	C.15	1.20	0.35	0.25	0.15	NA .	NA	NA	0.05	0.15
Minimum.	0.40	0.00	0.15	C.00	C.80	0.04	0.00	0.00	NA	NA	NA	0.00	0.00
H44619	. 73	.37	.30	.10	.93	.10	.07	.03	.01	.00	.00	.01	.03
H44618		.38		.08	.95	.09	.06	.03	.01	.00	.00	.01	.04

Page 1 of 2

Applicable Requirements: PER ASTM-B221-13, STENCILED (ASME-SB221 1998 SECT II PER AMS-QQ-A-200/8 (REAF 2012) UNS# A96061 MEETS ALL SPECIFICATION BEQUIREMENTS FOR 6061-T6511/T6 ELEVACED MINIMUM MECHANICAL PROPERTIES AS FOLDOWS: UTS = 42.0 KSI MIN YIELD = 38.0 KSI MIN ELONGATION = 10.0% MIN

Plant Serial: 00124122

Kaiser Order Number: 660835

Line Item: 004

DART AEROSPACE

ALUMINUM ROUND BAR 6061-T6511 .750" DIA X 144.0000" PART NO.

We certify that this is a true copy of the report furnished by the producer of the metal, or data resulting from tests made in approved labs.

Certificate of Mill Test Results

BL PEC-868210-004

18Mar14 Pg 2/2

Signed by:_





CERTIFIED TEST REPORT

http://Online.KaiserAluminum.com

KAISER ALUMINUM FABRICATED PRODUCTS, LLC 5205 KAISER DRIVE KALAMAZOO, MI 49048

Miscellaneous Notes

MANUFACTURED IN USA (SHERMAN, TX) MELTED IN USA MERCURY IS NOT A NORMAL BACKGROUND ELEMENT IN ALLMINUM ALLOYS. NEITHER MERCURY NOR ANY OF ITS COMPOUNDS ARE UTILITZED BY KAISER ALUMINUM IN THE MANUFACTURE OF THIS MATERIAL.

CERTIFICATION

Kaiser Aluminum Fabricated Products, LLC hereby certifies that metal shipped under this order has been inspected and tested and found in conformance with applicable specifications forming a part of the description set forth in Kaiser's sales acknowledgement form. Any warranty is limited to that shown on Kaiser's general terms and conditions of sale. Test reports are on file, subject to examination.

Aimee L. Macnowski, Quality & Technology Manager

Dimes & Macrowsky

Plant Serial: 00124422 Kaiser Order Number: 660835

Line ILem: 004

Page 2 of 2

MATERIAL:	MGDGITG R.750		
RECEIVED BY:	Soria		
DATE:	14/03/21		
P/O#	23277	MATERIAL CERT RECEIVED	900
QUANTITY ORDERED:	24	QUANTITY RECEIVED:	24
THICKNESS ORDERED:	22-00180	THICKNESS RECEIVED:	R-750
SHEET SIZE:	A R A SERVER REPORT OF THE PARTY OF THE PART	SHEET SIZE RECEIVED:	ASS Valable S

DESCRIPTION		CR eck N)	COMMENTS
SURFACE DAMAGE	Υ	N	
INCORRECT FINISH	Υ	N	BELTYCOM CHRYSTER BOT ENORCHOTEN
CORROSION	Υ	N	
INCORRECT GRAIN DIRECTION	Υ	M	аминал он таки от мага.
INCORRECT MATERIAL	Υ	10	PROTEST SUPPLIES OF SUBSTIME IN SUBSTIME HOUSE HAVE O
INCORRECT THICKNESS	Υ	N	O LICALO COSTARI E HABOMESS TESTERARENA HABOMESS OF
PHOTO REQUIRED	Y	1	A VEDEVILLA DI MATERIA PREPER MATERIA TA MATERIA DI
CORRECT MATERIAL	Y	N	HOTTOSOPHI ASPRAD LAMBTAN COTTA
CORRECT REF # TO LINK CERT	1	N	19 THE PARTY 23277 TOWN SAME TO BE THE SAME
CORRECT MATERIAL IDENTFICATION	W	N	40959-175
CORRECT M# ON THE MATERIAL	180	N	M128573
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Υ	R	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y	6	

CUT SAMPLE PIECE OF MA	TERIAL AND F		HARDNESS C	CHECK.	-1
angrees som	HRC	HRB	DUR A	DUR D	-8
TYPE OF MATERIAL	CONCRETE DELL'ER	OPPOS ALTIGO	CHICO GOLIVIA	F14 LLD-77 (8)	
SIZE OF TEST SAMPLE HARDNESS / DUROMETER READING	O GREET HATCH	Carlot Lean Same 187	13 T C. 2	Suistee to	

testers located in the Quality Office

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
INSPECTED BY:	BY:
DATE: 14/03/2/	DATE:



Dart Aerospace Ltd. 1270 Aberdeen Street Hawkesbury, ON K6A 1K7 Tel: 613 632 9577

Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID PO23277

Purchase Order Date 3/7/2014 PO Print Date 3/7/2014

Page Number 1 of 4

Order From:

VC-COP001

Ship To:

THYSSENKRUPP MATERIALS CA LTD

O/A VPK METAL- C/O T27540/PO BOX 4275,POSTAL"A"

TORONTO, ON M5W 5V8

DART AEROSPACE LTD

1270 ABERDEEN

HAWKESBURY, ON K6A 1K7

CANADA

ECLI4103/27

Contact Name

Vendor Phone

905 669 9444

Buyer

Chantal Lavoie

Customer POID

10127-2607

Ship To Contact

Ship To Phone

Customer Tax # Terms

Net 30

CAD

VENDOR'S TRUCK

Currency FOB

FCA - (Free Carrier)

Ship Via: **Ship Acct:**

Line Nbr	Reference Vendor Part Number Line Comments	Description/ Mfg ID	Req Date/ Taxable	CD	Req Qty/ Unit of Measure	PO Unit Price	Extended Price
	Delivery Comments		110mise Date				
1	M6061T6B0.625X01.500	6061-T6 Bar .625 x 1.50	3/13/2014 Yes		12.00 f	\$2.50	\$30.00
	AS PER QQ-A-225/8 OR AMS	5510/6511T62 ALUMINUM BA 5-QQ-A-225/8 OR AMS 4117/41 -A-200/8 OR AMS 4160 OR AS	28/4115/4116				

M6061T6B1.500X01.250

6061-T6 Bar 1.50 x 1.25

3/13/2014

12.00 f

\$4.33

Yes

3/13/2014

MATERIAL: 6061-T6/T651/T6510/6511T62 ALUMINUM BAR AS PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117/4128/4115/4116 OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR AMS 4160 OR ASTM B211 OR ASTM B221

Line Total:

\$52.00

\$30.00

×14-3-2 Line Total:

\$52.00

PO Instructions: ORDER NO: PEC ST-658581

ORDER NO: PEC ST-658581

ORDER NO: PEC ST-658906

Note:

3/7/2014



Dart Aerospace Ltd. 1270 Aberdeen Street Hawkesbury, ON K6A 1K7 Tel: 613 632 9577

Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID PO23277

Purchase Order Date 3/7/2014 **PO Print Date** 3/7/2014

Page Number 2 of 4

Order From:

VC-COP001

THYSSENKRUPP MATERIALS CA LTD O/A VPK METAL- C/O T27540/PO BOX 4275,POSTAL"A" TORONTO, ON M5W 5V8

DART AEROSPACE LTD Ship To:

1270 ABERDEEN

HAWKESBURY, ON K6A 1K7

CANADA

Contact Name

Vendor Phone

905 669 9444

Buyer

Chantal Lavoie

Customer POID Customer Tax #

10127-2607

Ship To Contact Ship To Phone

Ship Via:

Ship Acct:

Terms Currency Net 30 CAD

VENDOR'S TRUCK

FOB

FCA - (Free Carrier)

M6061T6B4.500X4.500

6061-T6 AluminumBar 4.500" X 4.500"

3/13/2014

6.00

f

\$49.85

\$299.10

3/13/2014

No

MATERIAL: 6061-T6/T651/T6510/6511T62 ALUMINUM BAR AS PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117/4128/4115/4116 OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR AMS 4160 OR ASTM B211 OR ASTM B221

MATERIAL: 6061-T6/T651/T6510/T6511/T62 ALUMINUM ROUND BAR AS PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117/4128/4115/4116 OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR AMS 4160 OR ASTM B211 OR

Line Total:

\$299.10

M6061T6R0.750

ASTM B221

6061-T6 Round Bar .750"

3/13/2014

24.00

\$1.25

\$30.00

Yes

3/13/2014

Line Total:

\$30.00

M303B1.000X03.000

303 BAR 1" X 3'

3/13/2014

MATERIAL: AISI 303 SS BAR AS PER ASTM A582

No

3/13/2014

NOTE: AISI 304/316 NOT ACCEPTABLE

12.00

\$46.67

\$559.98

PO Instructions: ORDER NO: PEC ST-658581

ORDER NO: PEC ST-658581 ORDER NO: PEC ST-658906

Note:



Dart Aerospace Ltd. 1270 Aberdeen Street Hawkesbury, ON K6A 1K7 Tel: 613 632 9577

Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID PO23277

Purchase Order Date 3/7/2014 PO Print Date 3/7/2014

Page Number 3 of 4

Order From:

VC-COP001

THYSSENKRUPP MATERIALS CA LTD O/A VPK METAL- C/O T27540/PO BOX 4275,POSTAL"A" TORONTO, ON M5W 5V8 CA

DART AEROSPACE LTD Ship To:

1270 ABERDEEN

HAWKESBURY, ON K6A 1K7

CANADA

Contact Name

Vendor Phone

905 669 9444

Buyer

Chantal Lavoie

Customer POID

Ship To Contact

Customer Tax # Terms

10127-2607 Net 30 CAD

Ship To Phone Ship Via:

VENDOR'S TRUCK

Currency FOB

FCA - (Free Carrier)

Ship Acct:

Line Total:

\$559.98

M303B1.000X2.000

303 BAR 1" X 2"

3/13/2014

Yes

12.00

\$30.97

\$743.28

MATERIAL: AISI 303 SS BAR AS PER ASTM A582

3/13/2014

NOTE: AISI 304/316 NOT ACCEPTABLE

Line Total:

\$743.28

M6061T6B2.000X05.000

6061T6 Bar 2.00 x 5.000

3/13/2014

Yes

3/13/2014

MATERIAL: 6061-T6/T651/T6510/6511T62 ALUMINUM BAR AS PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117/4128/4115/4116 OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR AMS 4160 OR ASTM B211 OR ASTM B221

NOTE: PLEASE CUT MATERIAL IN 6 FT LENGHT

\$21.33

\$256.00

GR14.3.21

Line Total:

\$256.00

PO Instructions: ORDER NO: PEC ST-658581

ORDER NO: PEC ST-658581 ORDER NO: PEC ST-658906

Note:



Dart Aerospace Ltd. 1270 Aberdeen Street Hawkesbury, ON K6A 1K7

Tel: 613 632 9577 Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID PO23277

Purchase Order Date 3/7/2014 PO Print Date 3/7/2014

Page Number 4 of 4

Order From:

VC-COP001

THYSSENKRUPP MATERIALS CA LTD O/A VPK METAL- C/O T27540/PO BOX 4275,POSTAL"A" TORONTO, ON M5W 5V8

DART AEROSPACE LTD Ship To:

1270 ABERDEEN

HAWKESBURY, ON K6A 1K7

CANADA

Contact Name

Vendor Phone

Buyer

Chantal Lavoie

905 669 9444

Customer POID Customer Tax #

10127-2607 Net 30

Ship To Contact

Ship To Phone

Terms Currency

CAD

Ship Via: Ship Acct: VENDOR'S TRUCK

FOB

FCA – (Free Carrier)

71401-45

PROCUREMENT QUALITY CLAUSES 3/13/2014

3/13/2014

1.00

\$0.00

\$0.00

No

Procurement Quality Clauses

A005 right of entry

A012 chemical and physical test report

A016 personnel qualification

A017 raw material identification (as applicable)

A026certification of material conformance

A041 quality management system

A042 dart notification by supplier

A043 retention of quality document

Line Total:

\$0.00

PO Total:

\$1,970.36

PO Instructions: ORDER NO: PEC ST-658581

ORDER NO: PEC ST-658581

ORDER NO: PEC ST-658906

Note: Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100

requirements. To learn in detail, please visit www.dartaerospace.com for further explaination.

Change Nbr:

Change Date:

3/7/2014